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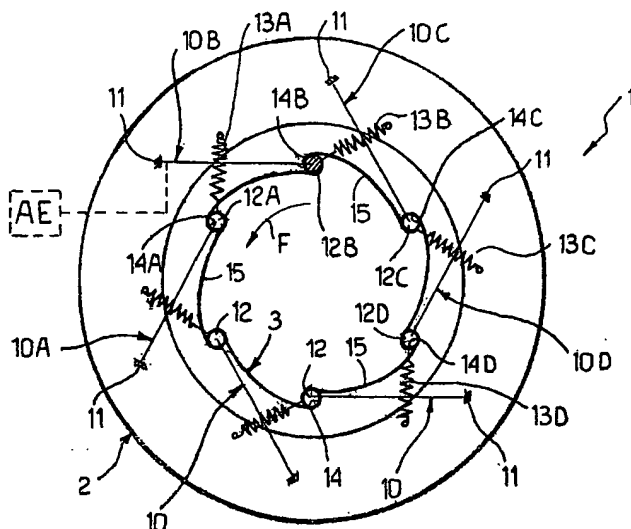
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(54) Title: DISCRETE STEP ROTARY ACTUATOR



(57) Abstract: A discrete step rotary actuator (1) comprises a stator (2), a rotor (3) and at least an actuating element (10) made with a shape memory active material, the actuating element (10) having a first portion (11) anchored to said stator and a second portion with a terminal element (12). The rotor has a sequence of seatings (14) arranged as a circumference, into which the terminal element (12) can engage in a sequential way. Elastic means (13) placed between the actuating element (10) and the stator (2) induce the shift of the terminal element (12) between two consecutive seatings (14), during the passage of the active material from its shortened to its extended configuration. The passage of the active material from the extended configuration to its shortened configuration imparts the rotor (3) a rotation couple with respect to the stator (2).

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